

CLAIMS

What is claimed is:

- 1 1. A method for automatically installing an application on a device on a network, the
2 method comprising the steps of:
3 sending to a server data indicating device resources on the device;
4 requesting a database application from the server;
5 downloading from the server an initial customized value for a configuration
6 parameter based on the device resources and the database application;
7 downloading the database application to the device; and
8 installing the database application on the device with the initial customized value
9 for the configuration parameter.
- 1 2. The method of Claim 1 further comprising the step of monitoring logs of actual
2 use of the device resources.
- 1 3. The method of claim 2, further comprising, after the database application has been
2 installed, tuning the value of the configuration parameter based on logs of actual use of the
3 device resources.
- 1 4. The method of claim 1, wherein:
2 the method further comprises, after requesting the database application from the
3 server, receiving at the device a network address of a source for the
4 database application; and
5 the step of downloading the database application comprises downloading the
6 database application to the device from the source.

- 1 5. The method of claim 4 wherein the source is a second server that is distinct from
2 the server from which the database application is requested.
- 1 6. The method of claim 1, wherein the device is a database appliance having database
2 software and non-database software tailored to the needs of the database software.
- 1 7. The method of claim 1, wherein:
2 the server is a community server used to install the database application on a
3 plurality of devices; and
4 the community server sends to each device of said plurality of devices initial
5 customized values for the configuration parameter based on the resources
6 on said each device.
- 1 8. The method of claim 4, wherein the source is a community server used to install
2 the database application on a plurality of devices and the network is the Internet.
- 1 9. The method of claim 1, wherein the server is a platform at an Internet database
2 service provider.
- 1 10. The method of claim 4, wherein the source is a platform at an Internet database
2 service provider.
- 1 11. The method of claim 1, wherein the data indicating device resources includes data
2 indicating at least one of a consumable resource and an application already installed.
- 1 12. The method of claim 11, wherein the data indicating the consumable resource
2 includes data indicating at least one of storage space, number of licensed users, maximum
3 processor usage rate, and maximum transaction rate.

- 1 13. The method of claim 1, wherein:
2 the device is a database appliance having database software and non-database
3 software tailored to the needs of the database software; and
4 the data indicating device resources includes a type of the database appliance.
- 1 14. The method of claim 1, wherein the configuration parameter is at least one of a size
2 for a shared global area of memory for the application, a size for a private cache memory,
3 a size for a tablespace, and a size of a data block.
- 1 15. The method of claim 3, wherein the logs of actual use include data indicating at
2 least one of number of disk reads, number of disk writes.
- 1 16. The method of claim 1, further comprising:
2 sending to the server a request for selectable database applications; and
3 receiving from the server data indicating a set of one or more selectable database
4 applications.
- 1 17. The method of claim 1, further comprising:
2 sending to a user data indicating a set of one or more selectable database
3 applications; and
4 receiving input from the user indicating the database application selected.
- 1 18. The method of claim 17, wherein:
2 the network is the Internet; and
3 the data indicating a set of one or more selectable database applications are sent
4 from an internet database service provider system which manages the
5 device.

1 19. The method of claim 1, wherein the database application is configured to interact
2 with a database server device distinct from the device.

1 20. The method of claim 19, wherein the device and the database server device are
2 managed by an internet database service provider system.

1 21. A method for automatically installing an application on a device on a network, the
2 method comprising the steps of:

3 receiving at a server data indicating device resources on the device;
4 receiving at the server a request for a database application;
5 determining an initial customized value for a configuration parameter based on the
6 device resources and the database application;
7 sending to the device the initial customized value for the configuration parameter
8 to the device; and
9 sending to the device data causing the database application to be downloaded to the
10 device and installed on the device with the initial customized value for the
11 configuration parameter.

1 22. A method of installing an application on a computing device, the method
2 comprising the steps of:

3 receiving instructions for causing a processor on the computing device to perform
4 one or more functions of the application;
5 receiving a data structure holding data indicating one or more steps for installing
6 the application on the computing device; and

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7 in response to receiving the data structure, automatically performing the step of
8 installing the application on the computer device based on the data in the
9 data structure.

1 23. A computer-readable medium carrying one or more sequences of instructions for
2 installing an application on a device on a network, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more processors to
4 perform the steps of:

5 sending to a server data indicating device resources on the device;
6 requesting a database application from the server;
7 downloading from the server an initial customized value for a configuration
8 parameter based on the device resources and the database application;
9 downloading the database application to the device; and
10 installing the database application on the device with the initial customized value
11 for the configuration parameter.

1 24. The computer-readable medium of Claim 23, wherein execution of the one or more
2 sequences of instructions by one or more processors causes the one or more processors to
3 further perform the step of monitoring logs of actual use of the device resources.

1 25. The computer-readable medium of claim 24, wherein execution of the one or more
2 sequences of instructions by one or more processors causes the one or more processors to
3 further perform the step of tuning the value of the configuration parameter based on logs
4 of actual use of the device resources, after the database application has been installed.

1 26. The computer-readable medium of claim 23, wherein:

2 execution of the one or more sequences of instructions by one or more processors
3 causes the one or more processors to further perform the step of receiving at
4 the device a network address of a source for the database application, after
5 requesting the database application from the server; and
6 the step of downloading the database application comprises downloading the
7 database application to the device from the source.

1 27. The computer-readable medium of claim 26 wherein the source is a second server
2 that is distinct from the server from which the database application is requested.

1 28. The computer-readable medium of claim 23, wherein the device is a database
2 appliance having database software and non-database software tailored to the needs of the
3 database software.

1 29. The computer-readable medium of claim 23, wherein:
2 the server is a community server used to install the database application on a
3 plurality of devices; and
4 the community server sends to each device of said plurality of devices initial
5 customized values for the configuration parameter based on the resources
6 on said each device.

1 30. The computer-readable medium of claim 26, wherein the source is a community
2 server used to install the database application on a plurality of devices and the network is
3 the Internet.

1 31. The computer-readable medium of claim 23, wherein the server is a platform at an
2 Internet database service provider.

1 32. The computer-readable medium of claim 26, wherein the source is a platform at an
2 Internet database service provider.

1 33. The computer-readable medium of claim 23, wherein the data indicating device
2 resources includes data indicating at least one of a consumable resource and an application
3 already installed.

1 34. The computer-readable medium of claim 33, wherein the data indicating the
2 consumable resource includes data indicating at least one of storage space, number of
3 licensed users, maximum processor usage rate, and maximum transaction rate.

1 35. The computer-readable medium of claim 23, wherein:
2 the device is a database appliance having database software and non-database
3 software tailored to the needs of the database software; and
4 the data indicating device resources includes a type of the database appliance.

1 36. The computer-readable medium of claim 23, wherein the configuration parameter
2 is at least one of a size for a shared global area of memory for the application, a size for a
3 private cache memory, a size for a tablespace, and a size of a data block.

1 37. The computer-readable medium of claim 25, wherein the logs of actual use include
2 data indicating at least one of number of disk reads and number of disk writes.

1 38. The computer-readable medium of claim 23, wherein execution of the one or more
2 sequences of instructions by one or more processors causes the one or more processors to
3 further perform the steps of:
4 sending to the server a request for selectable database applications; and

5 receiving from the server data indicating a set of one or more selectable database
6 applications.

1 39. The computer-readable medium of claim 23, wherein execution of the one or more
2 sequences of instructions by one or more processors causes the one or more processors to
3 further perform the steps of:

4 sending to a user data indicating a set of one or more selectable database
5 applications; and
6 receiving input from the user indicating the database application selected.

1 40. The computer-readable medium of claim 39, wherein:
2 the network is the Internet; and
3 the data indicating a set of one or more selectable database applications are sent
4 from an Internet database service provider system which manages the
5 device.

1 41. The computer-readable medium of claim 23, wherein the database application is
2 configured to interact with a database server device distinct from the device.

1 42. The computer-readable medium of claim 41, wherein the device and the database
2 server device are managed by an Internet database service provider system.

1 43. A computer-readable medium carrying one or more sequences of instructions for
2 installing an application on a device on a network, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more processors to
4 perform the steps of:

5 receiving at a server data indicating device resources on the device;
6 receiving at the server a request for a database application;

7 determining an initial customized value for a configuration parameter based on the
8 device resources and the database application;
9 sending to the device the initial customized value for the configuration parameter
10 to the device; and
11 sending to the device data causing the database application to be downloaded to the
12 device and installed on the device with the initial customized value for the
13 configuration parameter.

1 44. A computer-readable medium carrying one or more sequences of instructions for
2 installing an application on a device on a network, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more processors to
4 perform the steps of:
5 receiving instructions for causing a processor on the computing device to perform
6 one or more functions of the application;
7 receiving a data structure holding data indicating one or more steps for installing
8 the application on the computing device; and
9 in response to receiving the data structure, automatically performing the step of
10 installing the application on the computer device based on the data in the
11 data structure.